JD-1 JogDisk

Installation and User's Manual

canopus

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Canopus Part No. 000-10058-001
Printed in the USA
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First Edition - April 2001

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Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Declaration of Conformity

According to FCC Part 15

Responsible Party Name: Canopus Corporation

Address:	711 Charcot Avenue
	San Jose, CA 95131-2208
Telephone:	(408) 954-4500
Declares that product:	Model: Class B digital apparatus

Complies with FCC Standards and Canadian ICES-003.

FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits of a Class-B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.

Notice 2

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

Canopus Corporation

Tested to Comply with FCC Standards

For Home or Office Use

Specifications

Unit Spec

Connector:	USB x 1
Data format:	1.5 Mbps Serial
Board length:	124(W) x 140(H)
Board weight:	180g
Power:	+5V 30mA

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Introduction

Thank you

Thank you for purchasing Jog Disk 1 (JD 1), the jog/shuttle controller. Before installing the software we recommend you read this manual and acquaint yourself with the installation and use of the product. If you have any questions please call, fax, mail or email us at:

Canopus Corporation
711 Charcot Ave.
San Jose, CA 95131

Main telephone: (408)954-4500
Main fax: (408)954-4504
Technical support number: (408)954-4506
Web site: www.justedit.com

About this manual

The information contained in this manual covers:

Chapter 1—Introduction
Provides information about contacting us and using this manual.

Chapter 2—Installation
Includes easy to follow instructions on how to install the JD 1 hardware and software.

Chapter 3—Functions- Getting to know JD 1
Walks through a preset configuration and shows you how to customize the buttons on JD 1.

Chapter 4—Troubleshooting
Provides answers to the most common questions.

Manual conventions

The following conventions are used throughout this manual:

- **Bold** usually indicates software menu commands

File>Open

- *Italic* is used for emphasis and naming
- [square brackets] refer to software messages to you

"info check" notifies you to write down parameters or make note of manual suggestions.

"caution" means to take care in avoiding physical injury or damage to the computer or peripherals.

Trademarks

JD 1 is a trademark of Canopus Corporation. i.LINK is a trademark of Sony Corporation. DirectDraw and IntelliMouse are trademarks of Microsoft. All other trademarks and registered trademarks belong to their respective owners.

CHAPTER 2

Installation

caution

This product is ***not*** intended for and should ***not*** be used for medical purposes, or with any equipment which might be used for life support.

Before Installation

Make sure to read the following sections before installing the Jog Disk (JD 1) hardware and software. Please check to make sure you have a compatible system and inspect your JD 1.

Package Contents

info check

Make sure your package contains the following items:

- JD 1 Controller
- JD 1 Software CD
- JD 1 Manual
- 1 m USB cable
- Registration card (in the manual)

JD 1System Requirements

info check

Make sure your computer system meets the following requirements:

- Microsoft®Windows®98SE, Windows®ME, Windows® 2000* (Service Pack 1)
- USB port

Installing USB drivers in your system for compatibility

Win 98SE and Win ME will require you to install the necessary drivers for USB support from your Win 98SE or Win ME CD.

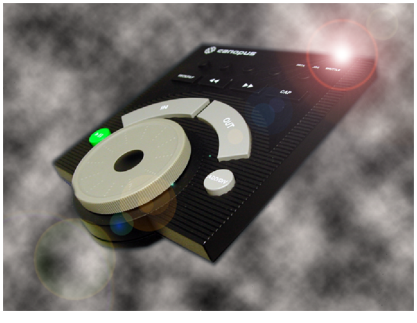
Before installing JD 1hardware

Please have your Windows 98SE, Windows ME or Windows 2000 installation CD ready, as described in the next section.

Unpack your JD 1 and make sure the wheel turn clockwise and counter clockwise smoothly. Check by clicking on all the buttons and making sure they are not damaged by visually looking for missing buttons or listening for no clicking sounds before you start (you should hear a click for each button).

Using **Your *JD 1***

The Jog Disk (JD 1) is used in conjunction with your edit applications and it allows you to custom map certain buttons on the JD 1. This custom mapping will let you edit from the JD 1 and eliminate you having to move your hands back and forth from the mouse to the keyboard.



Windows version

JD 1 supports Windows 98, Windows 98 Second Edition, Windows Millenium Edition, and Windows 2000.

Compatibility

The JD 1 is compatible with the following applications:

Canopus Edits	Canopus Videos
DVRex-RT Professional RexEdit (Ver.2.92)*	RexVideo
DVRex-RT (DVRex-M1 + RT Engine) RexEdit (Ver.2.91)*	RexVideo
DVRex-M1 RexEdit (Ver.2.53)*	RexVideo
DVStorm StormEdit (Ver.1.02)*	StormVideo
DVRaptor RaptorEdit (Ver.2.00)*	RaptorVideo
EZDV EzEdit (Ver.1.10)*	EzVideo

* or higher/later

Other Edit Applications

Adobe Premiere 5.1c
Adobe Premiere 5.1 LE
Adobe Premiere 6.0

Hardware Installation

This section contains instructions on how to install the JD 1 hardware. Please follow the instructions below while installing the JD 1 controller.

STEP 1: Connect JD 1

1. Plug the USB connector from the JD 1 to your computer.

STEP 2: Turn on your computer

1. Windows will detect the USB connection and ask you to install the drivers. Insert your Win 98SE, Win ME or Win 2K CD.
2. Follow the instructions on the Add New Hardware Wizard. It will search for USB Human Interface Device.
3. Click on recommended search. Click Next.
4. Check on the “specific” box to search for drivers on your Windows CD. It will search for HIDDEV.INF. Click Next.
5. Windows will now install the drivers and restart your computer.

The first time you start Windows after installing the USB connection from JD 1, the **Add New Hardware** dialog will appear. Insert the Win 2K software CD-ROM in your CD-ROM drive and point the Add New Hardware wizard to look in D:\Drivers (where D: is the letter of your CD-ROM drive). Follow the on-screen instructions to install the drivers.

After the drivers are installed, restart your system and follow the steps under Applications Installation later in this chapter to install the JD 1 applications.

Before installing JD 1 software

Please make sure your system is working properly and free of viruses.

Applications Installation

To install the JD 1applications, insert the JD 1 CD-ROM into your CD-ROM drive, and run Setup.exe by double-clicking the icon. The setup application will appear. Follow the prompts to install its application.

CHAPTER 3

Functions

JD-1 JogDisk

Getting to know JD 1

The JD 1 is a simple and very useful tool for editing. It will allow you to learn about editing faster without having to remember all the combinations of shortcuts. For others, the JD 1 will allow you to customize some shortcuts eliminating the hassle of moving back and forth from the mouse to the keyboard.

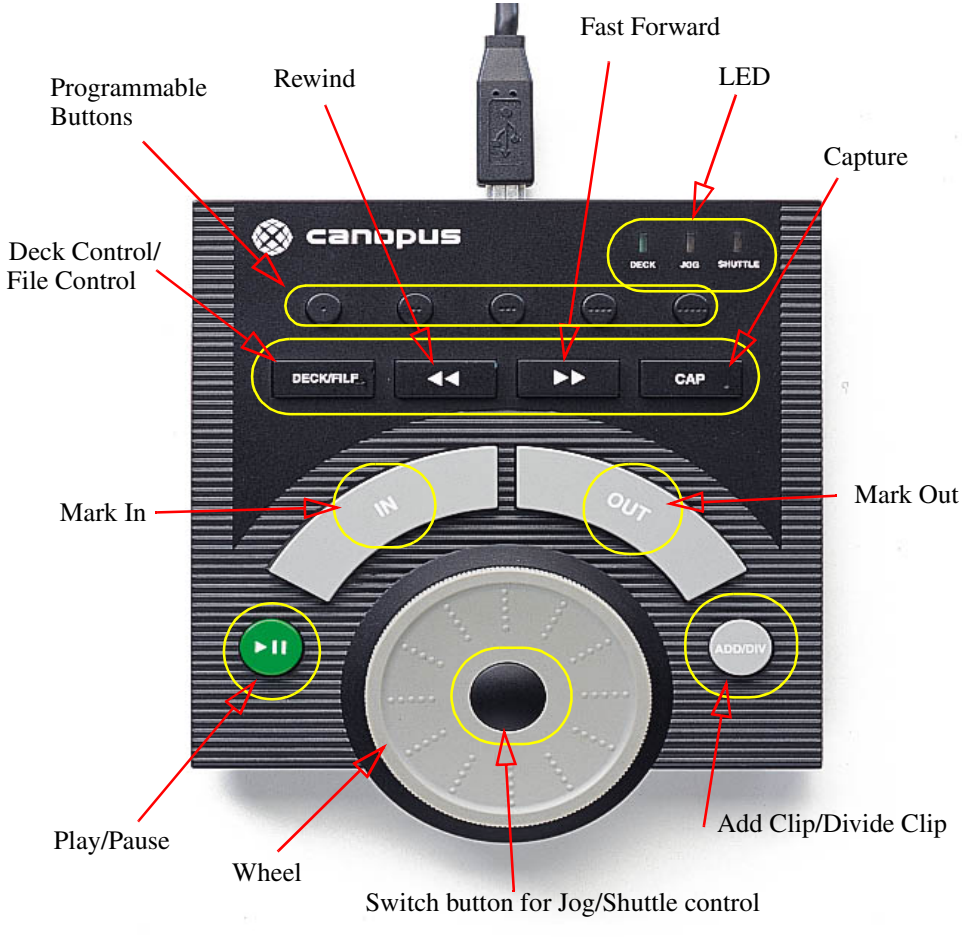
The jog disk is light and ideal for everyone. From schools teaching kids to make and edit digital video more fun, to the business room doing presentations, the JD 1 makes editing a little easier, quicker, and fun.

Should there be any problems please refer to the last chapter, Troubleshooting or contact us.

Onboard Switches

Default Controls

Some buttons on the JD 1 have default controls and are not mappable. These buttons are shown in the picture below.



The **LED** will indicate the current status. (When lit it signifies: Deck, Jog or Shuttle control).

Capture button will capture in the Batch Capture Window of editing applications.

Mark In and **Mark Out** will mark the In and Out points in the timeline as well as in the Batch Capture Window.

Add Clip will add that batch capture to your batch capture file window list. **Divide Clip** will cut your clip in the timeline.

The button in the middle of the wheel will switch from Jog to Shuttle mode. **Jog control** allows you to move the wheel forward or reverse, frame by frame for accurate editing.

Shuttle control will play your video/clip at 1/4 speed to 40x. Turn the **wheel** clockwise to playback forward motion or counter clockwise for reverse motion playback.

Play/Pause button will playback your video/clip from the timeline as well as on the deck control on the camera.

Deck/File button will allow you to have camera control or to control your Edit application using the JD 1. The LED will light up if you are in deck control.

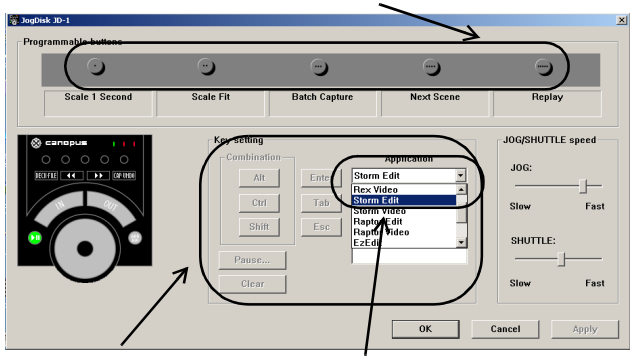
Rewind button in deck mode will rewind your video, but it will also move your editing line back to the next closest marker. **Fast Forward** button will forward your video in deck mode and move your editing line forward to the next break in the timeline.

Configuring your JD 1

With your computer turned on and your JD 1 connected via USB, have your Edit application running with the camera on VTR mode, double-click on the JD 1 icon in the task bar.

Your application should then look like the following.

Custom mappable buttons



Key Setting Dialog Application Pull down Menu's

Programmable buttons

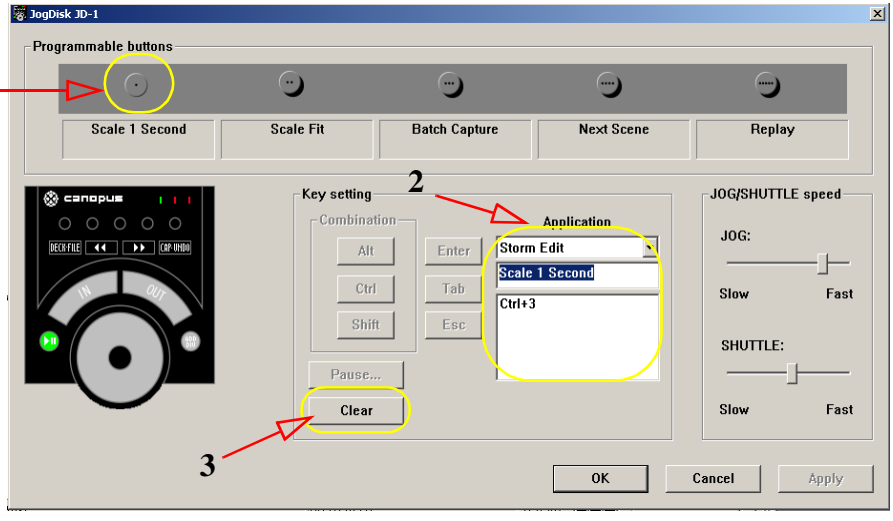
First click on the Application pull down menu and select the corresponding Edit application you are using. The buttons will have default presets. You can custom map these buttons by clicking on each button and setting the functions for that button in the Key Setting Dialog. You have five mappable buttons.

caution

To reset these buttons back to the default settings, see the default preset list on page 3-8.

For combinations and details on their shortcuts see the chart on page 3-9.

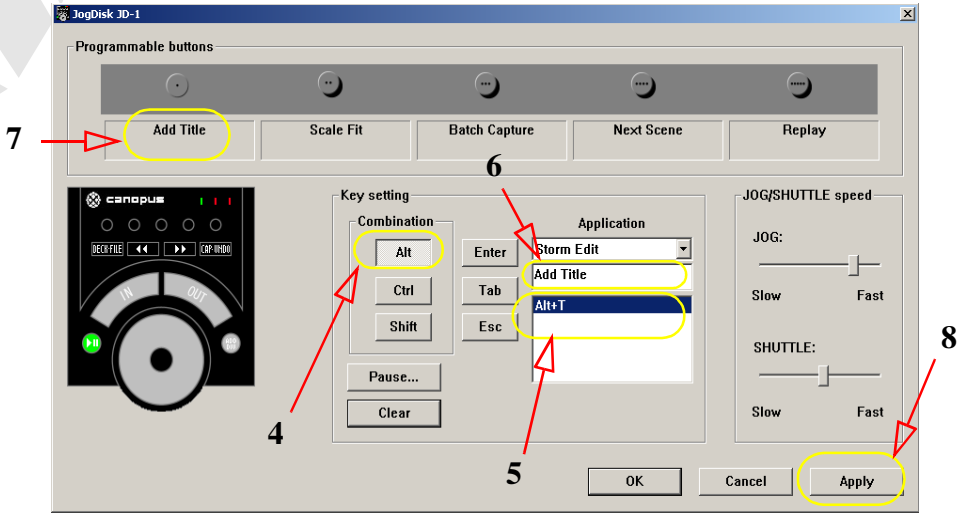
For Example: Under Application pull down Menu choose the Storm Edit application



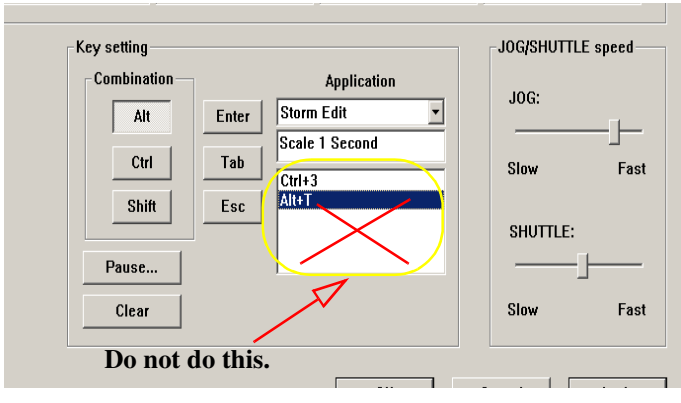
Click on the first button on the JD 1 application (1), you'll notice that it has a default setting in place (ctrl+3) with the function "scale to 1 second" (2). Click on clear (3). *You now can change its functions simply by changing the combinations in the dialog box. That button will now have that new function.*

Let's try to replace that function with the Alt + T, for the add title function. Click on the Alt button (4) then the letter "T" on your keyboard (5). Remember that the dialog will still show scale to 1 second, you will have to change this manually by entering the new functionality for the combination you reset. So type in Add Title (6) in the function dialog for reference. You can notice this change under button 1 (7). Click on Apply (8), this button now has the add title function.

Test this out by opening your Edit application (in this example, go to Storm Edit) and place some clips in the timeline and click on button 1 of your programmable buttons to see the result.



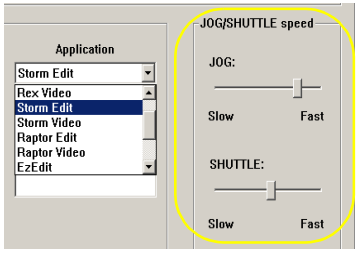
Make sure you do not add two or more different combinations for any one button. You can also customize the other buttons to do shortcuts instead of using the keyboard.



Jog/Shuttle Slider

The jog/shuttle slider allows you to adjust the level of speed/acceleration on the JD 1 wheel. In jog mode, you can adjust the wheel to control the timeline frame by frame.

In shuttle mode, you can control the playback speed. You can play forward or reverse from 1/4 up to 40x.



Below are commands for Canopus Storm Edit and Rex Edit. Raptor Edit and Ez Edit do not have some of these functions. Please refer to their respective manuals for their functionalities.

For commands for Adobe Premiere, please refer to your quick reference card that came with your Adobe Premiere 5.1 or 6.0 package.

Default Presets

Programmable Buttons Default Presets

		Button 1	Button 2	Button 3	Button 4	Button 5
Rex Edit **Rex Edit M1** **Storm Edit** **Raptor Edit** **EzEdit**	Function	Scale 1 Second	Scale Fit	Batch Capture	Next Scene	Replay
	Keystrokes	Ctrl + 3	Ctrl + E	Alt + B	Shift + End	Backspace

		Button 1	Button 2	Button 3	Button 4	Button 5
Rex Video **Storm Video**	Function	Cancel	Change Info	File Setting	Clipboard	Save Frame
	Keystrokes	Esc	Ctrl + V	Ctrl + F	Ctrl + C	Ctrl + B

		Button 1	Button 2	Button 3	Button 4	Button 5
Raptor Video **Ez Video**	Function	Cancel	Batch Capture	File Setting	Change Aspect Ratio	Save Frame
	Keystrokes	Esc	Alt + B	Ctrl + F	Ctrl + Q	Ctrl + S

		Button 1	Button 2	Button 3	Button 4	Button 5
Adobe Premiere 6.0	Function	Change Monitor	Change Window	Point Marker	Previous Marker	Next Marker
	Keystrokes	Esc	Ctrl + Tab	*	Shift + Q	Shift + W

		Button 1	Button 2	Button 3	Button 4	Button 5
Adobe Premiere 5.1	Function	Change Monitor	Change Window	Point Marker	Previous Marker	Next Marker
	Keystrokes	Esc	Ctrl + Tab	*	Ctrl + Left Cursor	Ctrl + Right Cursor

General Commands	
CTRL F1	analog 1 IN
ALT E	Edit Menu
ALT C	Effects Menu
ALT S	Settings Menu
ALT V	View Menu
ALT H	Help Menu
ALT B	Batch / Seamless Capture
CTRL Z	undo
ALT BACKSPACE	undo
CTRL Y	redo
CTRL W	full size preview window
Q	default current window size
R	restore to default window size
CTRL SHIFT E	show even field on pause
CTRL SHIFT O	show odd field on pause
CTRL SHIFT F	show frame on pause

Timeline View	
ALT K	timeline thumbnails off/on
ALT M	timeline thumbnails big/small
ALT N	Bin thumbnails big/small
ALT R	ripple editing off/on
CTRL 1	1 frame
CTRL 2	10 frames
CTRL 3	1 second
CTRL 4	2 seconds
CTRL 5	5 seconds
CTRL 6	10 seconds
CTRL 7	15 seconds
CTRL 8	30 seconds
CTRL 9	60 seconds
CTRL E	time scale fit
CTRL Q	square pixel correction off/on

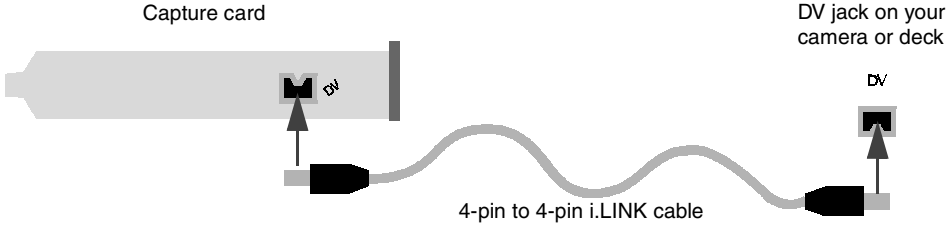
Input Selection & DV Deck Control	
ALT F	File Menu
CTRL F2	analog 2 IN
CTRL F3	firewire 1 IN
CTRL F4	firewire 2 IN
F1	DV deck STOP
F2	DV deck PLAY
F3	DV deck PAUSE
F4	DV deck REWIND
F5	DV deck FORWARD
F6	DV deck -1 frame
F7	DV deck +1 frame
F8	DV deck .1
F9	DV deck .2
F10	DV deck 1
F11	DV deck 2
F12	DV deck 20

Clips, Titles, and Transitions	
CTRL A	Add clip to Bin window
ALT A	Add color Clip to Bin window
CTRL B	Paste to Bin Window
CTRL U	Add Clips on Main AV to Bin window
CTRL T	Trim Clip
CTRL D	Separate Clip
DEL	Delete Clip
CTRL I	Set In-Point
CTRL O	Set Out-Point
CTRL G	Auto arrange clips
CTRL H	Auto arrange clips in reverse order
ALT DEL	Clear Bin window
CTRL P	Default Transition
CTRL K	Transition Starting Here
CTRL L	Transition Ending Here
ALT 0	.5 second transition
ALT 1	1 second transition
ALT 2	2 second transition
ALT 3	3 second transition
CTRL [	fade in
CTRL ALT Z	fade in ends here
CTRL]	fade out
CTRL ALT X	fade out starts here
CTRL ALT 1	1 second transition + render
CTRL ALT 2	2 second transition + render
CTRL ALT 3	3 second transition + render
ALT T	Add Title

Timeline Playback & Navigation	
CTRL RETURN	play with audio sampling rate adjustment
SHIFT RETURN	play with audio sampling rate adjustment
CTRL J	jump to __ time/frame
BACKSPACE	return to last start point
CTRL HOME	top frame
CTRL LEFT ARROW	scroll timeline left fast
PAGE UP	scroll timeline left
SHIFT HOME	jump to previous scene
ALT HOME	jump to previous index
HOME	previous clip
CTRL SHIFT LEFT ARROW	-10 scrub
CTRL SHIFT LEFT ARROW SPACE	-4 scrub
SHIFT LEFT ARROW	-4 / -10 scrub
SHIFT LEFT ARROW SPACE	-1 scrub
LEFT ARROW	frame back
ESCAPE	stop
SPACE (OR) RETURN	play / stop
RIGHT ARROW	frame forward
SHIFT RIGHT ARROW SPACE	+1 scrub
SHIFT RIGHT ARROW	+4 / +10 scrub
CTRL SHIFT RIGHT ARROW SPACE	+4 scrub
CTRL SHIFT RIGHT ARROW	+10 scrub
END	next clip
ALT END	jump to next index
SHIFT END	jump to next scene
PAGE DOWN	scroll timeline right
CTRL RIGHT ARROW	scroll timeline right fast
CTRL END	bottom frame

Connecting your DV camera or deck

Connect your camera or deck to your capture card using the 4-pin to 4-pin i.LINK cable. Plug one end of the cable into your camera or deck's i.LINK jack, and plug the other end of the cable into capture card's i.LINK jack.



If you are connecting a DV camera, make sure it is in VTR mode, and not Camera mode.

You can control your camera via the JD 1. Click on the Deck button and you have control of the camera with the default buttons on JD 1.

Troubleshooting

Troubleshooting

This chapter will cover some common problems with JD 1 and steps you can use to resolve them before you need to contact Canopus Technical Support.

Pre-Installation issues

What if I have Windows NT? Can I still use it?

No. Windows NT does not support USB. You should upgrade your system to Windows 2000. Please call your dealer from whom you purchased it from.

I don't have a DV or Digital 8 camera or deck. Can I use JD 1?

Yes. JD 1 will allow you to control your Editing application and still allow you to custom map your buttons for short-cuts.

Does it matter if I have NTSC (or PAL) version?

No. Both the JD 1 application and controller will work on either version.

Can I use the JD 1 with other application other than those listed in chapter 2?

No. This product is made specifically for video editing applications.

Installation issues

I don't have my Windows 98, Windows ME or Windows 2000 CD. How do I obtain the USB drivers?

You can go to Microsoft's web site and do a search for USB drivers and download it from there. Go to www.microsoft.com

My JD 1 install CD does not work. Who do I contact?

You can contact us at:
Canopus Corporation
711 Charcot Ave.
San Jose, CA 95131
U.S.A

(408)954-4500

www.justedit.com

General usage issues

I installed the application and the JD 1 does not work. What do I do?

Check and make sure the connections are plugged in. If that did not solve the problem then try uninstall and reinstall of the JD 1 application and driver.

My JD 1 is damaged. What do I do?

If your JD 1 is damaged by freight, contact your dealer or Canopus. We do not replace any damage made by user mishandling. Refer to the warranty on the front of this manual for more information.

Other questions

I damaged/lost my USB cable, how or where can I obtain another?

The JD 1 uses an USB cable, you can purchased this at any major computer store.

Where can I get more information?

Go to the JD 1 section of the Canopus website at http://www.canopuscorp.com/goto/jd1.htm

While you're there, you can also visit our User groups where you can get help and advice from customers using Canopus products around the world.